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= s immobilize or immobiliz?
L: 224204 IMMobilize OR IMMobiliz?

= . S 11 and 12
L: 735 L1 AND L2

59 L4 AND L5

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= . dup rem l5
PROCESSING COMPLETED FOR L5
L5          30 DUP REM L5 (9 DUPLICATES REMOVED)
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= - d 16 1-10

6 ANSWER 1 OF 30 CAPLCS COPYRIGHT 2001 ACS

AN 2101:115394 CAFM/S

DN 134:175271

II Cell counting method and kit

IN: Rider, Janet Rosemary; Gilbert, Ruth; Britton, Richard

PA National Blood Authority, UK

SD PCT Int. Appl., 21 pp.
GREN. PLANNED

CODEN: ENRCC2

DT Patent

LA English
ERN GENE

EAN.CN: 2

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI GB 1999-12631 A 19990526

RE.CNT 10

RE

- 5) Kdk Corp; JP 11266231 A 1999 CAPLUS
- 6) Kyoto Daiichikagaku Co Ltd; JP 11266231 A 1999 CAPLUS
- 7) Murthy, V; BIOCHEMICAL MEDICINE AND METABOLIC BIOLOGY 1986, V40, P260 CAPLUS
- 8) Picard, F; CLINICAL CHEMISTRY AND LABORATORY MEDICINE 1999, V37(6), P681 CAPLUS
- 10) Scheer, W; AMERICAN JOURNAL OF CLINICAL PATHOLOGY 1987, P86 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

I6 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 2001:59324 CAPLUS

DN 135:143572

TI Pressure-enhanced extraction and purification
IN Laugharn, James A., Jr.; Hess, Robert A.; Tao, Feng
PA BSI Bioseq, Inc., USA
SO U.S., 26 pp., Cont.-in-part of U.S. 6,111,036.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI '86747011	B1	20010814	US 1998-16062	19980130
US 6111036	A	20000829	US 1997-962280	19971031
US 6120945	A	20000919	US 1998-83651	19980522
WO 9902678	A1	19990514	WO 1998-US23141	19981030
	W:	AL, AM, AT, AU, BE, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KZ, KR, LZ, LC, IR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM EW: GH, GM, KE, LS, ME, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TE, TG		
	AU 9912936	A1	19990524	AU 1999-12336 19981030
	EP 1007160	A1	20000816	EP 1998-956405 19981030
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		
PRAI US 1997-962280	A2	19971031		
	US 1998-16062	A2	19980130	
	US 1998-83651	A	19980522	
	WO 1998-US23141	W	19981030	

RE.CNT 27

RE

- (1) Anon; EP 0127327 1984 CAPLUS
- (2) Anon; WO 9731176 1997 CAPLUS
- (3) Boyle, J; Trans Genet 1998, V11(1), P1 CAPLUS
- (4) Carter, M; Nucleic Acids Research 1993, V21(4), P1044 CAPLUS
- (10) Rathcart; US 5346999 1994 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

I6 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 2001:594421 CAPLUS

DN 135:163344

TI Method and device for simple nucleic acid analysis including cell extraction, FTF and detection

IN Fritz, Michael; Hartwig, Herbert; Steinbiss, Joachim; Gerstle, Volker;
Schwab, Jürgen; Bauscher, Andreas
PA Rosche Diagnostics G.m.b.H., Germany
SO Eur. Pat. Appl., 21 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP	EP 1123950	A2	20010816	EP 2001-1103113	20010209
	W: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 10006214	A1	20010816	DE 2000-10006214	20000211
	FRAI DE 2000-10006214	A	20010211		

LG ANSWER 4 OF 30 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1000:408542 BIOSIS
DN 1000000408542
TI Universal process for isolating and purifying **nucleic acids** from extremely small amounts of highly contaminated various starting materials.
AU Hillekrand, Timo (1); Benazko, Peter; Peters, Lars-Erik
CS (1) Berlin, Germany
ASSIGNEE: Invitex GmbH, Germany
EP 6137461 March 14, 2000
SO Official Gazette of the United States Patent and Trademark Office
Patents,
 (Mar. 14, 2000) Vol. 1232, No. 2, pp. No pagination. e-file.
 ISSN: 0098-1133.
DT Patent
LA English

LG ANSWER 5 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1000:666411 CAPLUS
DN 133:1162255
TI One-step sample preparation and detection of **nucleic acids** in complex biological samples using locked nucleic acid primers
IN Jnowy, Jan
PA Eniqor A/S, Den.
SO ECT Int. Appl., 86 pp.
CODEN: PIXXDW
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP	WO 2000016920	A1	20000928	WO 2000-BK128	20000317
	W: AB, AG, AL, AM, AR, AT, AU, AZ, BA, BR, BG, BR, BY, CA, CH, CN, CR, CU, CS, CC, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, HZ, LC, LK, LR, LS, LT, MY, LV, MA, MD, MG, MK, MN, MW, MX, NO, NG, PL, PT, RO, RU, SD, SF, SG, SI, SK, SK, SL, TL, TM, TR, TT, TR, WA, US, VE, VN, YY, ZA, ZW, AM, AZ, BY, KG, KE, MT, RU, TG, TM RW: CH, CM, KH, LS, MN, ST, SI, SE, TG, US, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IF, IT, LT, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, SN, GW, ML, MF, NE, SN, TD, TG				
	FRAI DK 1000-034	A	10000318		

FAN.CNT 4

RE

- (1) Anon; US 5821060 A 1998 CAPLUS
- (2) Bushardt, O; WO 9220703 A 1992 CAPLUS
- (3) Singh, S; CHEMICAL COMMUNICATIONS 1998, V4, P455
- (4) Singh, S; J OFG CHEM 1998, V63, P10035 CAPLUS

LG ANSWER 6 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 2000:64614 CAPLUS

DN 133:23356.

TI A filter paper and process for the storage and rapid purification of nucleic acids

IN Smith, Martin A.; Iyer, Kridula; Qu, Daqing; Davis, James C.

PA Whatman, Inc., USA

SO PCT Int. Appl., 24 pp.

CDDN: PIXXED

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000053807	A1	20000314	WO 1999-US21557	19990917
W: AE, AL, AM, AT, AW, AZ, BA, BB, BG, BE, BY, CA, CH, CN, CR, CU, DE, DK, DM, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IM, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TI, TM, TR, TT, VA, UG, US, US, VN, YU, ZA, ZW, AM, AZ, BY, KS, KE, MD, RU, TJ, TM				
RW: GH, GM, FR, LS, MW, SD, SL, SZ, TG, UG, SW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MG, NL, PT, SE, BF, BJ, CF, GS, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AT 1999-60451	A1	19990429	AJ 1999-60451	19990917
US 5991067746	A1	20010712	US 1999-39-625	19990918
US 2001010143	A1	20010415	US 2000-726627	20001130
FAI US 1999-1-3990	P	19990311		
US 1999-1-30716	P	19990422		
WO 1999-US21557	W	19990917		
US 1999-3-38625	A3	19990915		
US 1999-5-07548	A1	20000216		

FAN.CNT 6

RE

- (1) Anderson; US 5822141 A 1998

- (2) Harvey; US 5959259 A 1999 CAPLUS

- (3) Immunological Associates Of Denver; WO 9846797 A1 1998 CAPLUS

- (4) Pinteleeff; Journal of Clinical Microbiology 1999, V37(2), P350 CAPLUS

- (5) Smithkate; US 5863401 A 1999 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

LG ANSWER 7 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 2000:653415 CAPLUS

DN 133:034742

TI Pressure-enhanced extraction and purification and cell **lysis**

IN Lau-marn, James A., Jr.; Hess, Robert A.; Tao, Feng

PA BBI BioSeq, Inc., USA

SO U.S., 27 pp., Cont.-in-part of U.S. Ser. No. 16,162.

CDDN: USXXAM

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6121095	A	20000819	US 1999-53651	19990522

US 6111096 A 20000829 US 1997-962280 19971031
 US 6274726 B1 20010814 US 1998-16062 19980130
 WO 9922663 A1 19990514 WO 1998-US23141 19981030
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
 DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG,
 KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
 NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TZ, TM, TR, TT,
 UA, UG, US, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TZ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, TG, ZW, AT, BE, CH, CY, DE, DK, ES,
 FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AT 991297 A1 19990524 AC 1999-12936 19981030

EP 1127161 A1 20000816 EP 1998-956405 19981030

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI

PRAI US 1997-962280 A2 19971031
 US 1998-16062 A2 19980130
 US 1998-16651 A 19980522
 WO 1998-US23141 W 19981030

RE.CNT 5

RE

- (1) Rathcart; US 5346939 1994 CAPLUS
- (2) Fahy; US 4559298 1985 CAPLUS
- (3) Mozhaiav; TIBTECH 1994, V13, P493 CAPLUS
- (4) O'Farrell; US 4325439 1981 CAPLUS
- (5) Simpson; US 5615833 1997 CAPLUS

16 ANSWER 8 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 2000:623595 CAPLUS

IN 199:127792

TI Bacterial ghosts as carrier and targeting vehicles

IN Ruter, Veronika; Lubitz, Werner

PA Austria

SO Ger. Offen., 10 pp.

CODEN: GWIKSBK

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19909770	A1	20000907	DE 1999-19909770	19990305
WO 200005161	A1	20000914	WO 2000-EP1906	20000303
W: AF, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CT, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LE, LS, LT, LU, LV, MA, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TZ, TM, TT, TZ, UA, UG, US, VN, YU, ZA, ZW, AM, AR, BY, KG, KE, MD, RU, TZ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI DE 1999-19909770 A 19990305

16 ANSWER 9 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1999:123212 CAPLUS

IN 191:334351

TI Integrated method and device for nucleic acid extraction, purification
 and

detection using electric field and affinity binding

IN Bernhagen, Jürgen; Brunner, Herwig; Wittschum, Frank; Elkine, Bentsian;
 Geiger, Georg; Tóvar, Sunita

PA Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V.,

Germany

SO PCT Int. Appl., 25 pp.

CODEN: PIXX02

DT Patent

LA German

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9357314	A1	19991111	WO 1999-EP3047	19990504
W: AU, CA, HU, IL, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
PT, SE				
DE 14819889	A1	19991111	DE 1998-19819889	19980504
AU 9340366	A1	19991123	AU 1999-40366	19990504
EP 1175543	A1	20000214	EP 1999-923521	19990504
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE, PT,				
IE, FI				
DE 11006491	A1	20000624	DE 2000-10006491	20000214
WO 2.00049173	A2	20000624	WO 2000-EP1201	20000214
W: AU, CA, CN, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
PT, SE				
PRAI DE 1998-19819889	A	19980504		
DE 1498-1996277	A	19990215		
WO 1999-EP3047	W	19990504		

RE.CNT 5

RE

- (1) Baylor College Medicine; WO 9322678 A 1993 CAPLUS
- (1) Bertling Wolf Prof Dr; DE 19702254 U 1997
- (2) Chee Mark Lai Chaoqiang; WO 9727317 A 1997 CAPLUS
- (4) Genetics Int Inc; WO 8605815 A 1986 CAPLUS
- (5) Life Technologies Inc; EP 1301899 A 1989 CAPLUS

IN ANSWER 10 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1999:375749 CAPLUS

DN 131:1513

TI Method and device for disintegrating biological cells for the purpose of extracting and analyzing cell contents

IN Gith, Achim; Vehrer, Uwe; Bernhagen, Jürgen; Elkine, Bentsian; Tovar, Guntar; Holzlin, Rudiger; Schule, Andreas; Vitzthum, Frank

PA Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V., Germany

SO PCT Int. Appl., 25 pp.

CODEN: PIXX02

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 9428742	A1	19990610	WO 1998-DE2979	19981008
W: CA, HU, IL, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
PT, SE				
DE 14753961	CI	19991115	DE 1998-19753961	19981128
EP 1034428	A1	20000213	EP 1999-34428	19990218
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, SE, PT, IE, FI				
PRAI DE 1998-19753961	A	19981128		
WO 1998-DE2979	W	19981008		

RE.CNT 3

RE

(1) Abbott Lab; WO 9426967 A 1994 CAPLUS
 (2) Baylor College Medicine; EP 0710018 A 1996
 (3) Ciba Geigy AG; DE 3733927 A 1988 CAPLUS
 (4) Kernforschungsanlage Juelich; EP 0128566 A 1984
 (5) Scient Equipment Design & Dev; WO 9118103 A 1991 CAPLUS

4. d 16 11-30

LV ANSWER 11 OF 30 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:354445 CAPLUS
 DN 199112566
 TI Devices and methods for detecting target molecules in biological samples
 IM Muir, Andrew F.; Boles, Truett C.; Adams, Christopher P.
 PA Mosaic Technologies, USA
 SO PCT Int. Appl., 124 pp.

COPEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9426724	A2	19990603	WO 1998-US24918	19981125
	WO 9426724	A3	19990902		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, LZ, LK, LR, LS, LT, LU, LV, MD, NG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VN, YU, ZW, AM, AZ, BY, KG, KE, MB, RU, TJ, TM				
IM	FW: CH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AT 9915975	A1	19990615	AJ 1999-15975	19981125
	EP 1054040	A2	20000913	EP 1998-960365	19981125
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE, MC, PT, IE, FI				
	US 6251660	B1	20010626	US 1998-200126	19981125
PAI	US 1397-06503	P	19971125		
	WO 1998-US24918	W	19981125		

LV ANSWER 11 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1998:25400 CAPLUS

DN 128:111583

TI Purification of target **nucleic acids** of virus or bacteria using particle-immobilized DNA probes

IM En, Hamei; Kitashima, Masaaki; Kasai, Kiyoshi; Syokubo, Shigeru

PA Japan Synthetic Rubber Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

COPEN: JEXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 100001493	A2	19980606	JP 1227-39135	19971124
PAI	EP 12946-101-011		19980227		

LV ANSWER 13 OF 30 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 1

AN 1998:178348 BIOSIS

DN PREV199801178348

TI Soluble FasR ligand-binding domain: High-yield production of active fusion
 and non-fusion recombinant proteins using the baculovirus/insect cell system.
 AU Miniu, Jerome; Abastado, Jean-Pierre; Cabanie, Lucien; Godeau, Francois
 I)
 CS I) INSERM U 267, Hopital Paul Brousse, 12-14 avenue Paul
 Vaillant-Couturier, 94807 Villejuif Cedex France
 SD Biochemical Journal, (March 1, 1998) Vol. 330, No. 2, pp. 1051-1058.
 ISSN: 0264-6021.
 DT Article
 LA English

LU ANSWER 14 OF 30 CAPLUS COPYRIGHT 2001 ACS
 AN 1996:666995 CAPLUS
 DN 1.5:196640
 TI Process for isolating a biological material
 IN Bierenhaus, Gerhard; Fritz, Michael; Schwab, Juergen; Geisler, Edda;
 Hartwig, Herbert; Macho, Heinz
 PA Fiehringer Mannheim GmbH, Germany
 SD Eur. Pat. Appl., 14 pp.
 COUNTRY: DEXXDW
 DT Patent
 LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 734749	A2	19961002	EP 1996-104919	19960328
EP 734749	A3	19961120		
A: CH, DE, ES, FR, GB, IT, LI, NL				
DE 199512361	A1	19961002	DE 1995-19512361	19950401
US 6158651	BI	20010710	US 1996-622016	19960326
NL 9501271	A	19961003	NO 1996-1271	19960329
JP 06178503	A2	19961022	JP 1996-78900	19960401
JP 2463845	B2	19990419		
DE 1995-19512361 A 19950401				

LU ANSWER 15 OF 30 CAPLUS COPYRIGHT 2001 ACS
 AN 1996:653688 CAPLUS
 DN 1.5:196983
 TI System for release and isolation of **nucleic acids**
 IN Bierenhaus, Gerhard; Schubert, Ulrich; Kolb, Uwe; Stolz, Burhard; Pasch, Manfred
 PA Fiehringer Mannheim GmbH, Germany
 SD Ger. Offen., 17 pp.
 COUNTRY: GWXXBX
 DT Patent
 LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 199512368	A1	19961002	EP 1995-19512368	19950401
WO 9631781	A1	19961010	WO 1996-EP1368	19960329
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE				
EP 910588	A1	19951101	EP 1996-EP1148	19960326
R: AT, CH, DE, ES, FR, GB, IT, LI, NL				
JP 11623315	T2	19960306	JP 1996-023315	19960326
US 6117888	A	19960306	US 1996-023347	19960326
DE 1995-19512368 A 19950401				

WO 1996-EP1368 W 19960328

LB ANSWER 16 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1996:89343 CAPLUS
DN 124:111769
TI Universal process for isolating and purifying **nucleic acids** from extremely small amounts of various highly contaminated starting materials
IN Hillebrand, Timo; Bendzko, Peter; Peters, Lars-Erik
PA Invited GmbH, Germany
SO PCT Int. Appl., 27 pp.
CODEN: EPXXD2
DT Patent
LA German
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9534569	A1	19951221	WO 1995-DE787	19950614
	W: JP, KR, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 4422040	A1	19951221	DE 1994-4422040	19940614
	DE 4422044	A1	19951221	DE 1994-4422044	19940614
	DE 4447015	A1	19960704	DE 1994-4447015	19941230
	DE 4447015	C2	19970311		
	EP 765338	A1	19970402	EP 1995-921702	19950614
	EP 765338	B1	19990901		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	JP 10501346	T2	19980203	JP 1995-531476	19950614
	US 6037465	A	20000314	US 1996-780091	19961216
PAI	DE 1994-4422040		19940614		
	DE 1994-4422044		19940614		
	DE 1994-4447015		19941230		
	WO 1995-DE787		19950614		

LB ANSWER 17 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1993:187363 CAPLUS
DN 118:187363
TI Process for lysing liposome membrane, and use for immunoassay
IN Fujita, Minoru; Kida, Masaaki
PA Wako Pure Chemical Industries, Ltd., Japan
SO Eur. Pat. Appl., 27 pp.
CODEN: EPXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 524788	A1	19930127	EP 1992-306616	19920720
	EP 524788	B1	19970212		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
	CA 2074151	AA	19930124	CA 1992-2074151	19920717
	JP 05273213	AC	19931022	JP 1992-217272	19920723
	US 5501953	A	19960326	US 1994-203488	19940226
PAI	JP 1991-206571		19910723		
	US 1992-914136		19920717		

LB ANSWER 18 OF 30 CAPLUS COPYRIGHT 2001 ACS
AN 1992:484655 CAPLUS
DN 117:484655
TI Preparation of nucleic acid samples for amplification
IN Lir, Lilly; Isaacs, Stephen T.; Hearst, John E.

PA Hri Research, Inc., USA
SO PCT Int. Appl., 117 pp.
COPEN: PIXXDE
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9106817	A1	19920529	WO 1991-US8492	19911113
	N: AU, CA, JP				
	P: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	US 5184340	A	19940208	US 1990-614921	19901114
	AU 9191580	A1	19920611	AT 1991-90580	19911113
	EP 517443	A1	19930901	EP 1992-901200	19921113
	EP 517443	B1	20010405		
	P: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 131813	E	20010415	AT 1992-901200	19921113
	US 5654173	A	19970805	US 1994-317220	19941003
	US 5621853	A	19971115	US 1994-332616	19941031
PRAI	US 1991-614921		19901114		
	WO 1991-US8492		19911113		
	US 1992-901545		19920619		
	US 1993-44649		19930408		

L6 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1991:441916 CAPLUS

DN 117:41916

TI Detecting microorganisms associated with vaginal infections by nucleic acid hybridization

IN Sheiness, Diana K.; Adams, Trevor H.

PA Microprobe Corp., USA

SO PCT Int. Appl., 62 pp.

COPEN: PIXXDE

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9107036	A1	19910430	WO 1991-US7763	19911021
	N: JP				
	P: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	EP 519333	A1	19930811	EP 1991-919934	19911021
	EP 534333	B1	19931107		
	P: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 06512105	T2	19940317	JP 1991-518485	19911021
	AT 161531	E	19930115	AT 1991-919934	19911021
	ES 1112864	T3	19980416	ES 1991-919934	19911021
	US 5701656	A	19971223	US 1993-133598	19931008
	US 5654418	A	19970805	US 1995-460344	19950602
	US 5177634	A	19980707	US 1997-886399	19970702
PRAI	US 1991-600334		19901019		
	WO 1991-US7763		19911021		
	US 1992-901545		19920529		
	US 1993-133598		19931008		
	US 1995-460344		19950602		

L6 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1992:251657 CAPLUS

DN 116:251657

TI Apparatus and method for isolating **nucleic acids** from cell suspensions

IN Henco, Karsten; Colpan, Metin; Feuser, Petra
PA Diagen Institut fuer Molekularbiologische Diagnostik GmbH, Germany
SO Ger. Offen., 5 pp.
CDDEN: GWXXBX

DT Patent
LA German

PATN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4134036	A1	19920430	DE 1990-4034036	19901026
DE 4134036	C2	19940303		
WO 9107963	A1	19920514	WO 1991-EP2017	19911024
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
EP 515271	A1	19930818	EP 1991-918495	19911024
EP 515271	B1	19950503		
R: DE, FR, GB				
US 5653141	A	19970719	US 1995-442100	19950516
FAI DE 1990-4034036		19911026		
WO 1991-EP2017		19911024		
US 1995-55468		19950416		

LO ANSWER 21 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1991:649599 CAPLUS

DN 116:249593

TI Using lactam-containing reaction medium to improve nucleic acid hybridization

IN Van Ness, Jeffrey; Vermeulen, Niclaas M. J.

PA Micropore Corp., USA

SO PCT Int. Appl., 37 pp.

CDDEN: PIXX02

DT Patent
LA English

PATN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9102038	A1	19910221	WO 1990-US4152	19900724
W: AU, CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
AT 9061445	A1	19910311	AU 1990-61445	19900724
US 5106731	A	19920401	US 1990-558896	19900727
US 5176823	A	19940217	US 1991-807525	19911213
FAI US 1990-554235		19900724		
WO 1990-US4152		19900724		
US 1990-558896		19900727		
CF MARPAT 116:249593				

LO ANSWER 22 OF 30 CAPLUS COPYRIGHT 2001 ACS

AN 1990:518959 CAPLUS

DN 116:118982

TI Acridinium esters, liposomes containing them and their use in luminescence assay

IN Law, Say Jong; Piran, Uri

PA Ciba Corning Diagnostics Corp., USA

SO Eur. Pat. Appl., 15 pp.

CDDEN: EPXXRW

DT Patent
LA English

PATN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 353971	A2	19900207	EP 1989-367752	19890731
	EP 353971	A3	19901010		
	EP 353971	B1	19960207		
	P: BE, DE, FR, GB, IT, LU, NL				
	AU 8939033	A1	19900208	AU 1989-39033	19890727
	AU 634716	B2	19930304		
	JP 03046567	A2	19900409	JP 1989-199178	19890731
	JP 03046422	A2	19970128	JP 1996-179485	19890731
	CA 13374490	A1	19971007	CA 1989-607098	19890731
	AU 9330034	A1	19930401	AU 1993-32034	19930127
	AU 684704	B2	19941117		
	US 5657400	A	19970812	US 1995-440427	19950512
PRAI	US 1384-226639		19880801		
	JP 1384-139178		19890731		
	US 1384-826186		19920122		
	US 1384-32321		19930317		
	US 1384-325845		19941019		
OS	MARPAT 113:123989				

LG ANSWER 13 OF 30 CAPLUS COPYRIGHT 2001 ACS
 AN 1384:850062 CAPLUS
 DN 111:150062
 TI Nucleic acid sequence determination by hybridization probe and its use in the identification of microorganisms and prokaryotic or eukaryotic DNA and

in clinical diagnosis
 IN Pattiagupta, Nanibhushan; Rabin, Daniel; Rae, Peter; Huguenel, Edward
 PA Molecular Diagnostics, Inc., USA
 SO Eur. Pat. Appl., 31 pp.
 DOIEN: EPXNDW

DT Patent
 LA English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 291927	A2	19880914	EP 1988-103221	19880303
EP 291927	A3	19910417		
EP 291927	B1	19950628		
R: CH, DE, ES, FR, GR, IT, LI, NL, SE				
CA 1314794	A1	19930323	CA 1987-553537	13871204
AU 86010181	A1	19880915	AU 1988-12151	13880223
AU 600101	B2	19900830		
JP 63313598	A2	19881221	JP 1988-56517	19880311
US 5343855	A	19940920	US 1991-772625	19911004
PRAI US 1384-24643		13870311		
US 1384-836378		19860305		
US 1384-943006		19861229		

LG ANSWER 14 OF 30 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 2
 AN 1388:198052 BIOSIS
 DN 8A85:100398
 TI QUANTIFICATION OF ALPHA AMYLASE MESSENGER RNA IN BACILLUS-SUBTILIS BY NUCLEIC ACID SANDWICH HYBRIDIZATION.
 AU PALVA A; NYBERG K; PALVA J
 CS RECOMBINANT DNA LAB., UNIV. HELSINKI, KALIMOTIE 7, SF-00380 HELSINKI, FINLAND.
 SC DNA (N.Y.), CLASS 7, 138-140.
 DOIEN: DNAACR, ISSN: 1087-1236.
 FS BA; CLD
 LA English

L6 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2001 ACS
 AN 1988:474710 CAPLUS
 DN 199:79719
 TI Functionalized pharmaceutical liposomes containing an amphiphilic compound, especially lipopolysaccharides, in the membrane matrix.
 IN Kida, Masaaki; Kitabata, Isaku; Kubotsu, Kazuhisa; Sakata, Yoshitsugu
 PA Wako Pure Chemical Industries, Ltd., Japan
 SO Eur. Pat. Appl., 19 pp.
 CODEN: EPXKDW
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 047447	A2	19871112	EP 1987-117259	19870519
EP 047447	A3	19881014		
EP 047447	B1	19920514		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 63006560	A2	19840427	JP 1986-242746	19861013
JP 67107536	B4	19861115		
US 4461597	A	19800919	US 1987-51349	19870519
AT 71971	E	19821015	AT 1987-117259	19870519
ES 2032776	T3	19870301	ES 1987-107259	19870519
JP 67107742	A2	19860812	JP 1987-123542	19870520
FRAI	JP 1986-115405	19860810		
	JP 1986-242746	19861013		
	EP 1987-107259	19870519		

L6 ANSWER 16 OF 30 CAPLUS COPYRIGHT 2001 ACS
 AN 1984:1-5257 CAPLUS
 DN 198:1083097
 TI Method and kit for rapid detection of nucleic acid sequences in a sample by labeling the sample
 IN Sattagupta, Nanibhushan; Rae, Peter M. M.; Rabin, Daniel U.; Huguenel, Edward D.
 PA Molecular Diagnostics, Inc., USA
 SO Eur. Pat. Appl., 29 pp.
 CODEN: EPXKDW
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 0485776	A2	19870819	EP 1987-102577	19870224
EP 0485776	A3	19880810		
EP 0485776	B1	19930819		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
NO 8701613	A	19870907	NO 1987-613	19870217
CA 1291535	A1	19920211	CA 1987-530235	19870220
AT 64606	E	19930615	AT 1987-102577	19870224
FI 87100423	A	19870906	FI 1987-923	19870303
DK 87011120	A	19870906	DK 1987-1120	19870304
ZA 8701554	A	19871030	ZA 1987-1554	19870304
AU 8763723	A1	19870910	AU 1987-63723	19870305
AU 849083	B2	19920712		
JP 63265994	A2	19871118	JP 1987-51169	19870305
CA 1414794	A1	19930323	CA 1987-530235	19870224
US 5343655	A	19940920	US 1991-772623	19911204
FRAI	US 1986-836378	19860306		
	US 1986-943076	19861229		

EP 1987-102577 19870224
US 1987-24643 19870311

16 ANSWER 27 OF 30 CAPIUS COPYRIGHT 2001 ACS
AN 1985:128356 CAPIUS
DN 112:128356
TI Determining nucleotide sequences in cells and isolating **nucleic acids** from cells
IN Cox, Robert Ashley; Smulian, Nadia Jane
PA National Research Development Corp., UK
SO ECT Int. Appl., 31 pp.
ODDEN: PIXX02
DT Patent
LA English
PAN.CNT 2
PATENT NO. KIND DATE APPLICATION NO. DATE
----- ---- ----- -----
PI WO 8404302 A1 19841108 WO 1984-GB145 19840427
 W: JP, US
 EP 127327 A1 19841205 EP 1984-302865 19840427
 P: CH, DE, FR, GB, IT, LI, NL
 JP 605011141 T2 19850725 JP 1984-501865 19840427
PFAI GB 1983-11305 19830429
 W: 1984-GB145 19840427

16 ANSWER 28 OF 30 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 3
AN 1984:184212 BIOSIS
DN 8A77:27136
TI QUICK BLOT SELECTIVE MESSENGER RNA OR DNA **IMMOBILIZATION** FROM WHOLE CELLS.
AU BRESSEFF J; DOERING J; GILLESPIE D
CS BARRY ASHBECK LEUKEMIA RES. LAB., HAHNEMANN UNIV. MED. SCH., BROAD AND VINE ST., PHILADELPHIA, PA. 19102.
SO JMA (N Y), (1983) 2 (3), 243-254.
ODDEN: DNAADR. ISSN: 0193-0233.
PS PA; OLE
LA English

16 ANSWER 29 OF 30 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 4
AN 1981:163591 BIOSIS
DN 8A71:35553
TI PURINE NUCLEOTIDE TRANSHYDROGENASE EC-1.6.1.1 FROM AZOTOBACTER-VINELANDII DIFFERENCES IN PROPERTIES BETWEEN THE PURIFIED AND THE CELL-FREE EXTRACT ENZYME.
AU VANDERKOUW G; VAN DER VIES S; SCHOLTEN J W; VEEGER C
CS LAB. BIOCHEM., LANDBOUWHOOGESCH., DE DREIJEN 11, NL-6703-BC WAGENINGEN, NETH.
SO EUB J BIOCHEM, (1980) 107 (2), 337-344.
ODDEN: EURCAT. ISSN: 0314-2956.
PS PA; OLE
LA English

16 ANSWER 30 OF 30 CAPIUS COPYRIGHT 2001 ACS
AN 1981:416014 CAPIUS
DN 7A:16014
TI **Immobilization** and localization of RNA in cesium chloride gradients with polyacrylamide gels
AU File, Thomas A.
CA Dept. Biol., Wabash Coll., Crawfordsville, Indiana, USA
SO Anal. Biochem. 1971, 41 1, 274-6

COOSEN: ANBCAZ
DT Journal
LA English

=> s silica
L" 396546 SILICA

=> s 14 and 17
L" 24 14 AND L"

=> dup rem L"
PROCESSING COMPLETED FOR L8
L" 12 DUP REM L8 (6 DUPLICATES REMOVED)

=> d 18 1-10

L8 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2001 ACS
AN 2001:43563 CAPLUS
DN 135:73661
TI Integrated microfluidic disc for sequential nucleic acid template
purification and thermocycling reaction and product purification
IN Tooke, Nigel Eric; Andersson, Per X.
PA Gyros AB, Swed.
SO PCT Int. Appl., 27 pp.
COOSEN: PIXXD1
DT Patent
LA English
FAN.CNT 3
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000104763 A2 20010705 WO 2000-EPI3014 20001220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BE, BY, BZ, CA, CH, CN,
CF, CI, CZ, DE, DK, DM, DZ, EE, ES, FI, GE, GD, GE, GH, GM, HR,
HU, IS, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, TZ, VN,
YU, CA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TC, TM
RW: CH, GM, KE, IS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GE, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BI, CG, CI, CM, GA, GN, GW, ML, ME, NE, SN, TD, TG
WO 200004175 A1 20000713 WO 1999-EPI0347 19991223
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BE, BY, CA, CH, CN, CI, CZ,
DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS,
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MW, MW, MK, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TZ, CA, BG, US, UG, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM
RW: CH, GM, KE, IS, MW, SD, SL, SE, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GE, IE, IT, LU, MC, NL, PT, SE, BF, BI, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI WO 1999-EPI0347 W 19991223
GB 2000-11425 A 20020512
GB 1998-28785 A 19981230

L8 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2001 ACS
AN 2001:43563 CAPLUS
DN 135:16344
TI Method and device for the handling of samples and reagents
IN Malmquist, Mats
PA Alphahelix AB, Swed.

SO PCT Int. Appl., 26 pp.

CODEN: PIMXMD2

ST Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001042487	A2	20010614	WO 2000-SE2448	20001206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RC, RU, SL, SE, SG, SI, SP, SL, TC, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AU, BY, EG, KZ, MD, RU, TG, TM RW: GR, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, TG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GE, GR, IE, IT, LU, MC, NL, PT, SE, TF, BE, BG, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TG, TG				

FPAI SE 1999-4-39 A 13-91.010

LG ANSWER 3 OF 12 CAPLUS COPYRIGHT 2001 ACS

AN 2001:5951.4 CAPLUS

DN 135:14957

TI Pressure-enhanced extraction and purification

IN Laugharn, James A.; Hess, Robert A.; Tao, Feng

FA BGI Bioscience, Inc., USA

SO U.S., 26 pp., Cont.-in-part of U.S. 6,111,096.

CODEN: USMXAM

ST Patent

LA English

FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 607471	B1	20 10/14	US 1995-16162	19980130
US 611103	A	20000429	US 1997-961280	19971031
US 612034	A	20000519	US 1998-83451	19980522
WO 942256	A1	19990514	WO 1998-US13141	19981030
W: AL, AM, AT, AU, AU, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TC, TM, TR, TT, YU, ZA, ZW, AM, AU, BY, EG, KZ, MD, RU, TG, TM, YU, ZA, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GE, GR, IE, IT, LU, MC, NL, PT, SE, TF, BE, BG, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TG, TG				
AU 912093	A1	19990524	AU 1999-12436	19981030
EP 012716	A1	20000816	EP 1998-956405	19981030
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
FPAI US 1997-362210	A2	19971031		
US 1998-16063	A2	19980130		
US 1998-8-651	A	19980522		
WO 1998-US13141	W	19981030		

FAN.CNT 27

RE

(1) Anon; EP 012716 1997 CAPLUS

(2) Anon; WO 9131105 1997 CAPLUS

(3) Boyle, J; Trans Genet 1995, VII (1), Pt CAPLUS

(4) Carter, M; Nucleic Acids Research 1993, VII (4), Pt 44 CAPLUS

(10) Cathcart; US 6346998 1994 CAPLUS

ALL CITATIONS AVAILABLE IN THE FR FORMAT

LS ANSWER 4 OF 22 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:64614 CAPLUS
 EN 133:233561
 TI A filter paper and process for the storage and rapid purification of nucleic acid
 IN Smith, Martin A.; Iyer, Mridula; Qu, Daqing; Davis, James C.
 PA Whatman, Inc., USA
 SO PCT Int. Appl., 54 pp.
 CODEN: PIKKDZ
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 990051807	A1	20000914	WO 1999-0721557	19990917
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BE, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KE, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NJ, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, VA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, EG, KE, MN, RU, TC, TM	EW: GH, GM, KH, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GE, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	AU 9960481	AU 1999-60481	19990917
US 2001007746	A1	20010712	US 1999-398625	19990918
US 2001001143	A1	20010416	US 2000-726627	20001130
FFAI US 1999-123039	P	19990911		
US 1999-133716	P	19990422		
WO 1999-0721557	W	19990917		
US 1999-398625	A3	19990918		
US 2000-726627	A1	20001130		

FE.CNT 6

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- (1) Anderson; US 5422501 A 1999
- (2) Harvey; US 5932259 A 1999 CAPLUS
- (3) Immunological Associates Of Denver; WO 9846797 A1 1998 CAPLUS
- (4) Panteleeff; Journal of Clinical Microbiology 1999, V37(2), P350 CAPLUS
- (5) Southgate; US 5863801 A 1999 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 5 OF 22 CAPLUS COPYRIGHT 2001 ACS
 AN 2000:475069 CAPLUS
 EN 133:65106
 TI Integrated lysis/ chromatography matrix method for isolation of nucleic acids, especially plasmids from bacteria
 IN Blakesley, Robert W.
 PA Life Technologies, Inc., USA
 SO PCT Int. Appl., 45 pp.
 CODEN: PIKKDZ
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000040697	A1	20000716	WO 1999-0721557	19990917
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KE, LC, LK, LR, LS, LT, LU, LV, MA, MG, MK, MN, MW, MX, NJ, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, VA, UG, US, VE, VN, YU, ZA, ZW, AM, AZ,				

BY, KG, KZ, MD, RU, TG, TM
RW: CH, GM, KE, LS, MW, SD, SL, SE, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, IN, GW, ML, MR, NE, SN, TD, TG
PFAI US 1999-114666 P 19990106

FE.CNT 3

FF

(1) Anon; PROMEGA CATALOG 1993-1994, P141
(2) Anon; STRATAGENE CATALOG 1998, P39
(3) Henco; US 5057426 A 1991 CAPLUS

19 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2001 ACS
AN 2000:401466 CAPLUS

IN 19917347

TI Rapid and efficient method for isolating **nucleic acids**
from any complex starting material without use of chaotropic salts
IN Hillebrand, Timo; Benzke, Peter
PA Invitek G.m.b.H., Germany
SC PCT Int. Appl., 49 pp.

CODEN: PIKKDI

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PT	WO 2000134463	A1	20000615	WO 1999-DE2248	19990723
	W: AL, AM, AT, AU, AZ, PA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LF, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TG, TM, TR, TT, UA, UG, US, UZ, VN, YU, CW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: CH, GM, KE, LS, MW, SD, SL, SZ, UG, EW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GA, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE	1998-19856064	A1	20000629	DE 1998-19856064	19981204
DE	1998-19856064	C2	20010130		
AU	9961561	A1	20000616	AU 1999-61862	19990727
PFAI	DE 1998-19856064	A	19981204		
	WO 1999-DE2248	W	19990723		

FE.CNT 7

FF

(1) Arthur, O; US 5695785 A 1997 CAPLUS
(2) Becton Dickinson Co; EP 0312767 A 1992 CAPLUS
(3) Becton Dickinson Co; EP 0648716 A 1995 CAPLUS
(4) Peter, B; WO 9334169 A 1993 CAPLUS
(5) Talent SRL; EP 0376080 A 1990 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

19 ANSWER 7 OF 21 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 1
AN 2000:364224 BIOSIS
DN PREV2000310364224
TI Voltage-induced release of **nucleic acids** from
palaeontological samples.
AU Bachmann, Lutz (1); Schels, Michael; Brugmann, Martina; Giddings, Ian;
Pusch, Carsten M.
CJ (1) Pritzker Laboratory for Molecular Systematics and Evolution, The
Field
Museum, 1400 South Lake Shore Drive, Chicago, IL, 60605-2496 USA
SC Electrophoresis, May, 2000 Vol. 21, No. 5, pp. 1459-1460. print.
ISSN: 0173-4934.
DT Article

LA English
SL English

LP ANSWER 9 OF 22 MEDLINE DUPLICATE 2
AN 2000114039 MEDLINE
DN 2000114039 PubMed ID: 10649779
TI High-throughput method for isolating plasmid DNA with reduced
lipopolysaccharide content.
AU Neidacker F; Grimm S
TS Max-Planck-Institute for Biochemistry, Martinsried, Germany.
SO BIOTECHNIQUES, (2000 Jan) 28 (1) 107-9.
Journal code: AN3; 8306785. ISSN: 0736-6205.
PY United States
DT Report; (TECHNICAL REPORT)
LA English
EV Priority Journals
EM 2000/2
ED Entered STN: 20000229
Last Updated on STN: 20000229
Entered Medline: 20000215

LP ANSWER 9 OF 22 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 3
AN 20001140659 BIOSIS
DN PREV: 20001140659
TI High-throughput method for isolating plasmid DNA with reduced
lipopolysaccharide content.
AU Neidacker, Frank; Grimm, Stefan (1)
C1 Max-Planck-Institute for Biochemistry, Am Kopferspitz 18a, 82152,
Martinsried Germany
SO Biotechniques, (Jan., 2000) Vol. 28, No. 1, pp. 106-108.
ISSN: 0736-6205.
DT Article
LA English
SL English

LP ANSWER 10 OF 32 CAPLUS COPYRIGHT 2001 ACS
AN 1998:764162 CAPLUS
DN 1A2:341
TI Rapid and simple process for isolation of circular **nucleic
acids**
IN Zauer, Philippe; Wang, Jie
PA Qiagen G.m.b.H., Germany
SC PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 98-61603	A1	19991202	WO 1999-EP3660	19990527
	W: JP, US				
	EW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE				
	EP 969090	A1	20000125	EP 1998-109593	19990527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
	EP 1098064	A1	20010424	EP 1998-934137	19990527
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE, MC, PT,				
	IE, FI				
PRAI	EP 1998-109593	A	19990527		
	WO 1999-EP3660	W	19990527		

RE.CNT 4

RE

- (1) Carter, M; NUCLEIC ACIDS RESEARCH 1993, W21(4), P1044 CAPLUS
- (2) Marko, M; ANALYTICAL BIOCHEMISTRY 1982, W121(2), P382 CAPLUS
- (3) Qiagen GMBH; WO 9501359 A 1995 CAPLUS
- (4) Thorexsys Ltd; WO 9729190 A 1997 CAPLUS

=* FIL MEDLINE

COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	61.95	62.25

FILE 'MEDLINE' ENTERED AT 08:44:20 ON 07 SEP 2001

FILE LAST UPDATED: 6 SEP 2001 (20010906/UP). FILE COVERS 1958 TO DATE.

On April 23, 2001, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE SUBSTANCE IDENTIFICATION.

=> E BAVYKIN S G/AU 25

E1	1	BAVYKIN S/AU
E1	4	BAVYKIN S/AU
E3	25	--> BAVYKIN S G/AU
E4	7	BAVYKINA E A/AU
E5	1	BAVYKINA E K/AU
E6	1	BAVYKINA M V/AU
E7	1	BAVYKINA N B/AU
E8	2	BAVYKINA N I/AU
E9	1	BAVYKINAEA/AU
E10	1	BAW S/AU
E11	1	BAW S L/AU
E12	2	BAWA A A/AU
E13	3	BAWA A S/AU
E14	2	BAWA B/AU
E15	1	BAWA BHALLA K S/AU
E16	1	BAWA D/AU
E17	4	BAWA E K/AU
E18	2	BAWA G F/AU
E19	2	BAWA G S/AU
E20	2	BAWA K S/AU
E21	1	BAWA M S/AU
E22	1	BAWA M T/AU
E23	1	BAWA N A/U
E24	1	BAWA T A/U

E25 1 BAWA P S/AU

=> S (E3)

L10 25 ("BAVYKIN S G"/AU)

=> DIS L10 1- TI

YOU HAVE REQUESTED DATA FROM 25 ANSWERS - CONTINUE? Y/ (N) :Y

L10 ANSWER 1 OF 25 MEDLINE

TI Portable system for microbial sample preparation and oligonucleotide microarray analysis.

L10 ANSWER 2 OF 25 MEDLINE

TI DNA-protein cross-linking applications for chromatin studies in vitro and in vivo.

L10 ANSWER 3 OF 25 MEDLINE

TI Cero-length protein-nucleic acid crosslinking by radical-generating coordination complexes as a probe for analysis of protein-DNA interactions in vitro and in vivo.

L10 ANSWER 4 OF 25 MEDLINE

TI Nucleosome structural transition during chromatin unfolding is caused by conformational changes in nucleosomal DNA.

L10 ANSWER 5 OF 25 MEDLINE

TI Chromatin studies by DNA-protein cross-linking.

L10 ANSWER 6 OF 25 MEDLINE

TI Alterations in nucleosome core structure in linker histone-depleted chromatin.

L10 ANSWER 7 OF 25 MEDLINE

TI [Heterogeneity of the structural organization of the chromatin domain including the dihydrofolate reductase gene in Chinese hamster ovary cell culture].

Geterogennost' strukturnoi organizatsii khromatina domena, vkluchaiushchego gen dihidrofolatreduktazy, v kul'ture kletok iaichnikov kitaiskog khomiacha.

L10 ANSWER 8 OF 25 MEDLINE

TI Rearrangement of the histone H2A C-terminal domain in the nucleosome.

L10 ANSWER 9 OF 25 MEDLINE

TI Structure of nucleosomes and organization of internucleosomal DNA in chromatin.

L10 ANSWER 10 OF 25 MEDLINE

TI Mapping DNA-protein interactions by cross-linking.

L10 ANSWER 11 OF 25 MEDLINE

TI Comparison of the primary structure of reconstructed minimal nucleosomes and nucleosomes isolated from the chromatin].

Sravnenie pervichnoi organizatsii rekonstruirovannykh i vydelennykh iz

khromatina minimal'nykh nukleosom.

L10 ANSWER 12 OF 25 MEDLINE

TI [Structure of nucleosomes and organization of inter-nucleosomal DNA in chromatin].

Struktura nukleosom i organizatsiya mezhnukleosomnoi DNA v khromatine.

L10 ANSWER 13 OF 25 MEDLINE

TI Primary organization of nucleosomal core particles is invariable in repressed and active nuclei from animal, plant and yeast cells.

L10 ANSWER 14 OF 25 MEDLINE

TI [Primary organization of nucleosome core particles in active and repressed nuclei].

Pervichnaya organizatsiya minimal'nykh nukleosom aktivnykh i repressiruyannykh iader.

L10 ANSWER 15 OF 25 MEDLINE

TI Structure of nucleosomes, chromatin, and RNA polymerase-promoter complex as revealed by DNA-protein cross-linking.

L10 ANSWER 16 OF 25 MEDLINE

TI Alignment of nucleosomes along DNA and organization of spacer DNA in *Drosophila* chromatin.

L10 ANSWER 17 OF 25 MEDLINE

TI Stability of the primary organization of nucleosome core particles upon some conformational transitions.

L10 ANSWER 18 OF 25 MEDLINE

TI [Interaction of histones with DNA in chromatin. A new method of covalent binding of histones to DNA available for their localization on DNA]. Vnaimodeistvie gistonov s DNK v khromatine. Novyi metod kovalentnogo sviazyvanija gistonov s DNK, uchebnyi dlja ikh lokalizatsii na DNK.

L10 ANSWER 19 OF 25 MEDLINE

TI The method of crosslinking histones to DNA partly depurinated at neutral pH.

L10 ANSWER 20 OF 25 MEDLINE

TI Primary organization of nucleosomes containing all five histones and DNA 175 and 161 base-pairs long.

L10 ANSWER 21 OF 25 MEDLINE

TI Primary organization of the nucleosome core particles. Sequential arrangement of histones along DNA.

L10 ANSWER 22 OF 25 MEDLINE

TI Primary organization of nucleosomes and its functional implications.

L10 ANSWER 23 OF 25 MEDLINE

TI [Primary organization of nucleosomes: order of histone arrangement on DNA].

Pervichnaya organizatsiya nukleosomy: poriadok raspolozhenija gistonov na DNK.

L10 ANSWER 24 OF 25 MEDLINE

TI Primary organization of nucleosome core particle of chromatin: sequence of histone arrangement along DNA.

L10 ANSWER 25 OF 25 MEDLINE

TI The structure of nucleosomes: the arrangement of histones in the DNA grooves and along the DNA chain.

= S E SERGEI GB/AU 25

E1 1 SERGEEVSKII M V/AU
E2 1 SERGEEV V R/AU
E3 0 --> SERGEI GB/AU
E4 2 SERGEI O I/AU
E5 1 SERGEICHEN V I/AU
E6 2 SERGEICHENVA T A/AU
E7 5 SERGEICHIK I I/AU
E8 2 SERGEICHIK O I/AU
E9 1 SERGEICHUK E V/AU
E10 3 SERGEI KHUFU R/AU
E11 1 SERGEICHUK M G/AU
E12 1 SERGEICHUK T M/AU
E13 1 SERGEICHUK V V/AU
E14 1 SERGEIEV A A/AU
E15 1 SERGEIEV N A/AU
E16 1 SERGEIEVA P A/AU
E17 1 SERGEIKO A/AU
E18 2 SERGEIKO A A/AU
E19 4 SERGEIKO L M/AU
E20 11 SERGEIKH R M/AU
E21 1 SERGEIKH M/AU
E22 4 SERGEIKH N P/AU
E23 1 SERGEI B/AU
E24 1 SERGEIPY A M/AU
E25 1 SERGEIY I S/AU

= S E AKOWSKI JP/AU 25

E1 4 AKOWSKI A A/AU
E2 2 AKOWSKI J P/AU
E3 0 --> AKOWSKI J/AU
E4 1 AKOWUAH E F/AU
E5 2 AKOWUAH E S/AU
E6 1 AKYUNEGLOU G/AU
E7 2 AKYUNEGLOU J H/AU
E8 1 AKOS I/AU
E9 3 AKOS N/AU
E10 43 AKOS T/AU
E11 2 AKOSOY F/AU
E12 1 AKPA A/AU
E13 1 AKPA A T/AU
E14 1 AKPA E/AU
E15 1 AKPA T/AU
E16 1 AKPA T S/AU
E17 6 AKPABIO S P/AU
E18 1 AKPABIO T A/AU
E19 1 AKPACIA K/AU
E20 1 AKPAETI I J/AU
E21 1 AKPAFFIONG M J/AU
E22 1 AKPAFFIONG M J/AU
E23 3 AKPAGANA F/AU
E24 1 AKPAGNER E M/AU
E25 1 AKPAIDEM M/AU

= S (E2)

L11 2 ("AKOWSKI J P" /AU)

= DIS L11 1- IBIF

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/N :Y

L11 ANSWER 1 OF 2 MEDLINE

ACCESSION NUMBER: 2001381359 MEDLINE
DOCUMENT NUMBER: 21031989 PubMed ID: 11187263
TITLE: Portable system for microbial sample preparation and
oligonucleotide microarray analysis.
AUTHOR: Bavykin S G; **Akowski J P**; Zakhariev V M; Barsky V
E; Perov A N; Mirzabekov A D
CORPORATE SOURCE: BioChip Technology Center, Argonne National Laboratory,
Argonne, Illinois 60439, USA.
SOURCE: APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (2001 Feb) 67 (2)
#22-8.
JOURNAL CODE: 6K6; 7605801. ISSN: 0099-2240.
SUB. COUNTRY: United States
(EVALUATION STUDIES)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200107
ENTRY DATE: Entered STN: 20010703
Last Updated on STN: 20010703
Entered Medline: 20010705

LII ANSWER 2 OF 2 MEDLINE
ACCESSION NUMBER: 1393061296 MEDLINE
DOCUMENT NUMBER: 93062246 PubMed ID: 8398312
TITLE: Steady-state kinetics and inhibitor binding of
3-deoxy-D-arabino-heptulosonate-7-phosphate synthase
(tryptophan sensitive) from *Escherichia coli*.
AUTHORS: Akowski J P; Bauerle R
CORPORATE SOURCE: Department of Biology, University of Virginia,
Charlottesville, Virginia 22903-2477, USA.
CONTACT NUMBER: GM35514 (NIGMS)
SOURCE: BIOCHEMISTRY, (1997 Dec 16) 36 (50) 15817-22.
Journal code: A03; 0870623. ISSN: 0006-2960.
PUB. COUNTRY: United States
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199801
ENTRY DATE: Entered STN: 13930206
Last Updated on STN: 19980206
Entered Medline: 19980107

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COST IN U.S. DOLLARS
FILE ESTIMATED COST
SINCE FILE
ENTRY
2.50
TOTAL
SESSION
64.95

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= FILE MEDLINE
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
64.25
FILL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 08:49:39 ON 07 SEP 2001

FILE LAST UPDATED: 6 SEP 2001 (20010906/UP). FILE COVERS 1958 TO DATE.

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MEDLINE now contains IN-PROCESS records. See HELP CONTENT for details.

MEDLINE is now updated 4 times per week. A new current-awareness alert frequency (EVERYUPDATE) is available. See HELP UPDATE for more information.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2001 vocabulary. Enter HELP THESAURUS for details.

The OLDMEDLINE file segment now contains data from 1958 through 1965. Enter HELP CONTENT for details.

Left, right, and simultaneous left and right truncation are available in the Basic Index. See HELP SFIELDS for details.

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=. d his

(FILE 'RCME' ENTERED AT 08:37:03 ON 17 SEP 2001)

FILE 'BICYSIS, MEDLINE, EMPASE, LIFESCI, CAPLUS' ENTERED AT 08:37:58 ON 07 SEP 2001

L1 1093*3 \$ NUCLEIC ACIDS OR GENETIC MATERIAL
L2 1193*4 \$ CELL DISRUPTION OR LYSIS
L3 2242*4 \$ IMMORILIZE OR IMMOBILIZ
L4 7*6 \$ L1 AND L2
L5 1*9 \$ L4 AND L3
L6 1*0 DUP REM L5 (9 DUPLICATES REMOVED)
L7 396546 \$ SILICA
L8 1*8 \$ L4 AND L7
L9 1*2 DUP REM L8 (6 DUPLICATES REMOVED)

FILE 'MEDLINE' ENTERED AT 08:44:20 ON 07 SEP 2001

L10 15 S (E3)
E BAVYKIN S G/AU 25
E SERGII GB/AU 25
E AKOWSKI CF/AU 25
L11 2 S (E2)

FILE 'STNGUIDE' ENTERED AT 08:49:00 ON 07 SEP 2001

FILE 'MEDLINE' ENTERED AT 08:49:39 ON 07 SEP 2001

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FULL ESTIMATED COST	1.30	65.25

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STN INTERNATIONAL LOGOFF AT 08:50:01 ON 07 SEP 2001